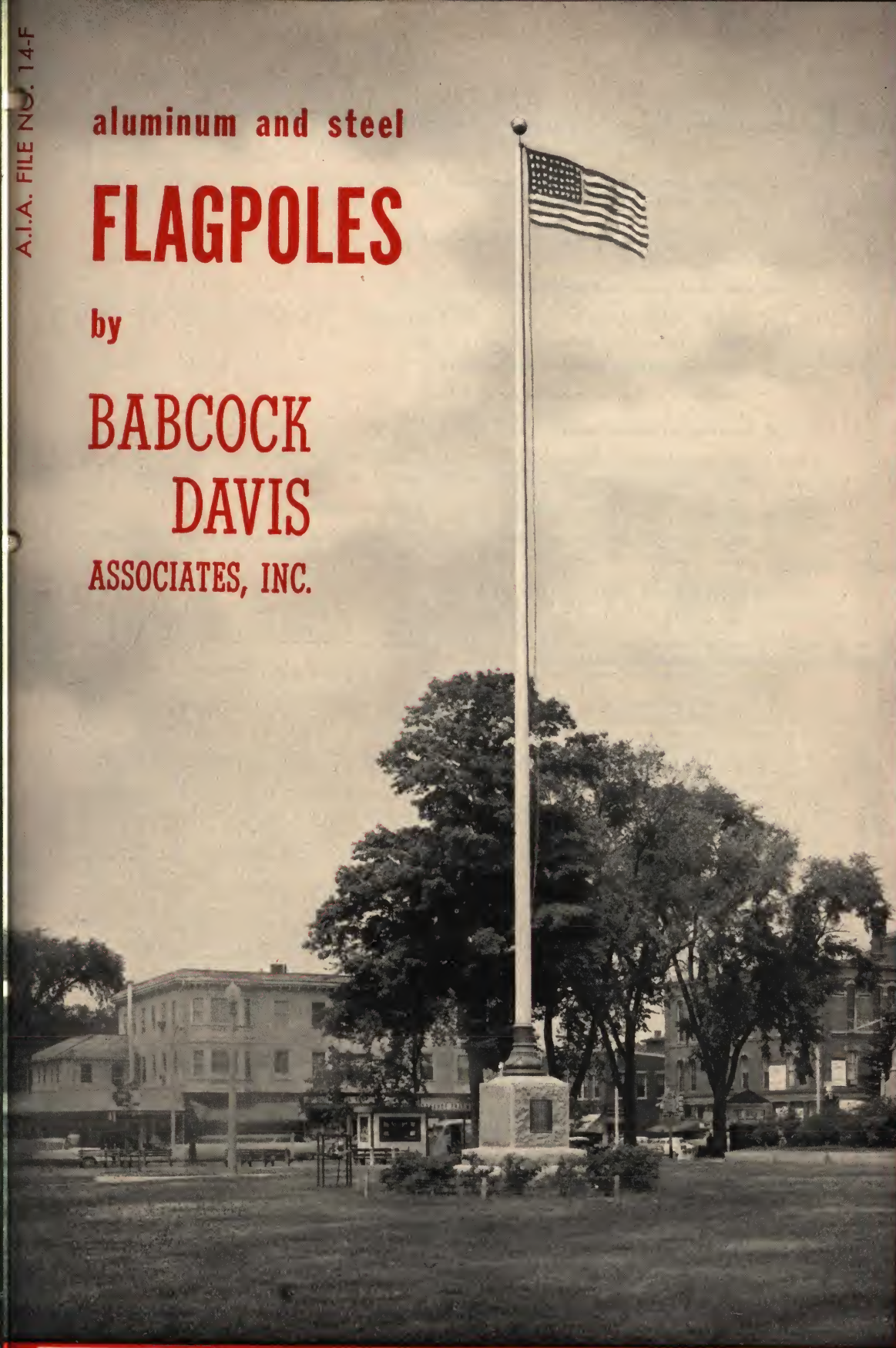


aluminum and steel

# FLAGPOLES

by

BABCOCK  
DAVIS  
ASSOCIATES, INC.



ESTABLISHED IN 1909

PIVOT  
REMOVABLE  
LOCKING  
BOLT



## steel flagpoles

## importance of proper ground setting

The proper foundation and setting of ground poles is important to the life of the pole. See detail below for suggested method of installation. For specific cases, write us for large scale detail.

### types

#### ■ conical tapered steel pole

Tapered portion has straight taper. No visible joints. Available in all sizes up to 20-inch butt.

#### ■ conical tapered aluminum pole

Suitable up to 70-ft exposed height. 77 ft long.

#### ■ sectional steel pole

Constructed from pipe or steel tubing in sizes graduated to give a graceful taper. Sections are telescoped, shrunk and welded together so that all joints are waterproof.

#### ■ genuine venetian entasis steel tapered pole

Made on a true architectural entasis, curved taper for use where the finest poles are desired. Made of steel, with no visible joints. Available in all sizes up to 20-inch butt.

### dimensions (aluminum poles)

exposed height, ft.	20	25	30	35	40	50	60	70	75	80	90	100
total length, ft.	23	28	33	38½	44	55	66	77	82½	88	99	110

#### conical tapered poles

<b>heavy pattern</b>												
Out. Diam. of Butt, in	4	5	5	5½	6	6½	7½	8½	9½	10¾	11¾	12¾
Out. Diam. of Top, in	2¼	3¼	3¼	3¼	3¼	3¼	3¼	3¼	3¼	3¼	3½	3½
Length of taper, ft	15	12½	12½	16½	19½	24	31¼	38½	45½	53½	58¾	66
Out. Diam. of Ball, in	4	5	6	6	6	8	8	8	10	10	10	10
Shipping Weight, lb	120	360	425	550	705	1010	1425	1905	2320	2680	3500	4300
<b>extra heavy pattern</b>												
Out. Diam. of Butt, in	5	5½	6	6½	7½	8½	10¾	11¾	12¾	14	14	16
Out. Diam. of Top, in	3¼	3¼	3¼	3¼	3¼	3¼	3¼	3¼	4	4	4	4
Length of Taper, ft	12½	16½	19½	24	31¼	38½	53½	60½	62½	71½	71½	85¾
Shipping Weight, lb	285	400	605	705	925	1275	1750	2200	2700	3400	4200	5000

#### sectional poles

<b>light pattern</b>												
Out. Diam. of Butt, in	3½	4	4½	4½	5	5½	6½	7½	8½	9½	10¾	11¾
Out. Diam. of Top, in	2¾	2¾	2¾	2¾	2¾	2¾	2¾	2¾	2¾	2¾	2¾	2¾
Shipping Weight, lb	185	260	315	370	515	715	920	1375	1610	2000	2500	3100
<b>heavy pattern</b>												
Out. Diam. of Butt, in	4	4½	5	5	5½	6½	7½	8½	9½	10¾	11¾	12¾
Out. Diam. of Top, in	2¾	2¾	2¾	2¾	2¾	2¾	2¾	2¾	2¾	2¾	2¾	2¾
Shipping Weight, lb	230	320	420	485	600	850	1325	1650	2000	2600	2900	3760

conical tapered steel and aluminum pole

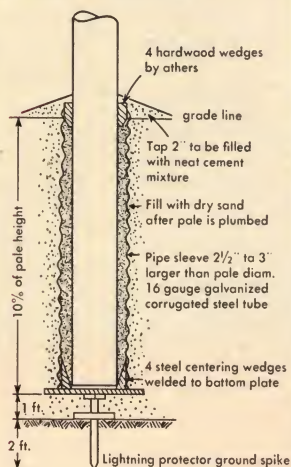
genuine venetian entasis steel pole

sectional steel pole

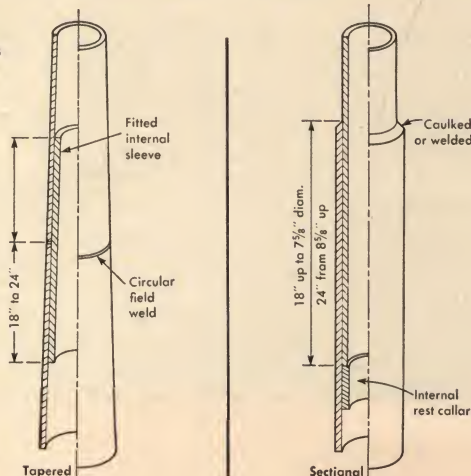
### specifications

Furnish and erect Babcock-Davis (conical straight tapered or genuine venetian entasis with curved tapered or sectional) steel flagpole.....ft. exposed height,.....in. at butt,.....in. at top. Equipped with.....in. 23 karat gold leafed copper ball; ball bearing, non-fouling revolving (single or double, cross out one) halyard top, continuous braided cord halyard with invisible connectors; bronze swivel flag snaps and cleat all as made by Babcock-Davis Associates, Boston 27, Mass.

#### ground setting



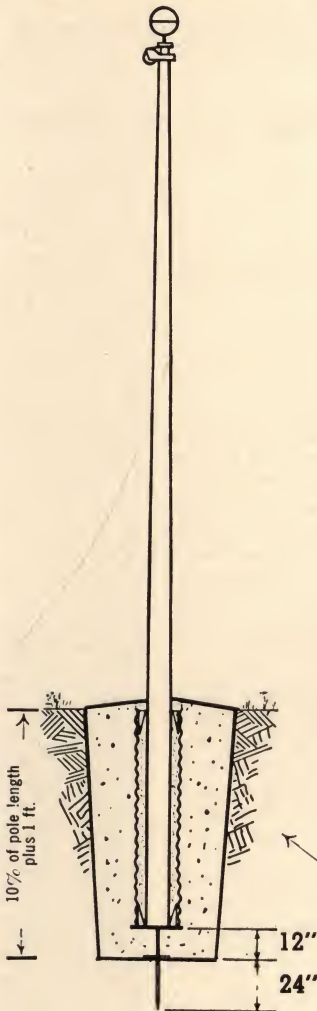
#### field joints



**entasis tapered and conical tapered steel poles:** To avoid the hard work of driving two tight fitting self-aligning sections together in the field, we can apply a pulling device at no extra charge to be removed by erector while making circumferential weld and grinding smooth.

**sectional poles:** When substantial savings can be made in freight pole may be shipped in two or more sections.



**aluminum flagpoles****cone tapered****● ground set****advantages and features**

Babcock-Davis aluminum flagpoles are of the very finest workmanship and designed to be permanent, economical, with minimum care. The poles are made of seamless aluminum tubing specification 6063-T6, heat treated, age hard-

ened, machined to a bright satin brush finish, then waxed. No painting ever required of exposed pole. It should be allowed to weather. Portion of pole in the ground is shop painted with black asphaltum inside and outside.

**specifications**

Furnish and erect cone tapered (tapered portion has straight taper), ground set flagpole of seamless cold drawn 6063-T6 aluminum tubing with  $\frac{3}{16}$ " wall. No visible joints. Poles to have satin finish and waxed. State size from list below.

Equipped with:.....14 ga. aluminum ball satin-brush finished and waxed, or 23-karat gold-leaved copper ball; B-D ball bearing aluminum, non-fouling revolving halyard top (single or double sheave, cross out one); continuous

braided cord halyards with invisible connectors; aluminum swivel flag snaps and aluminum cleats.

Furnish 16 ga. corrugated galvanized foundation tube with self-centering bottom plate and lightning protector ground spike.

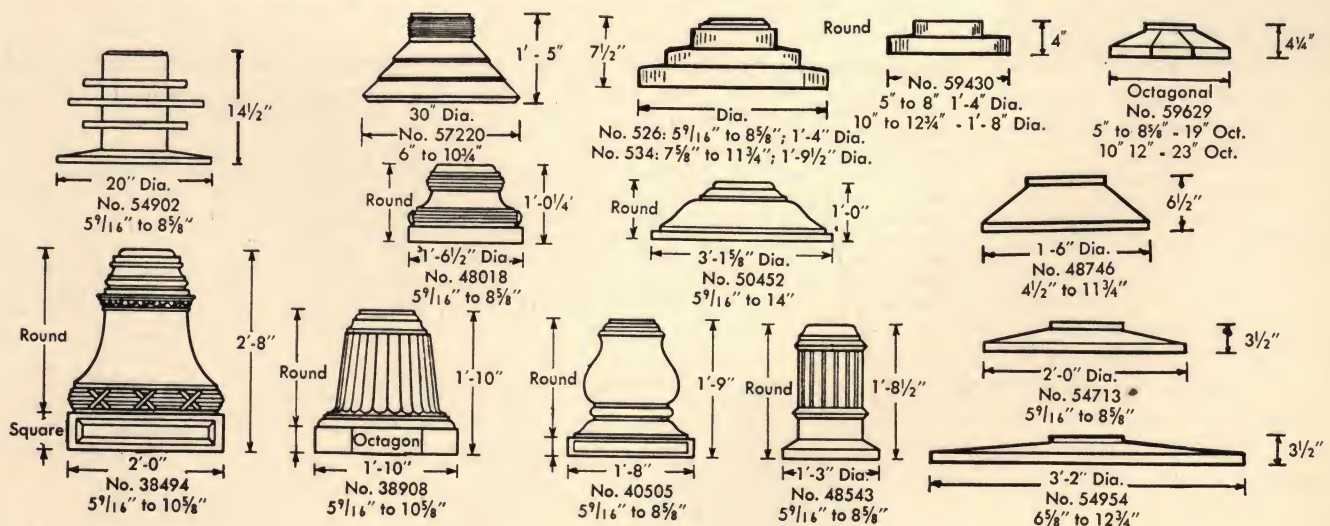
If ornamental aluminum base is wanted, state pattern from list below.

All as made by Babcock-Davis Associates, Inc., Boston 27, Mass.

**dimensions (aluminum poles)**

Exposed Height, ft.	9	12	17	22	27	30	35	40	50	59
Total Length, ft.	12	15	20	25	30	33½	38½	44	55	65
Out. Diam. of Butt, in.	3½	4	4½	5	5½	6	7	8	10	12
Out. Diam. of Top, in.	2¾	2¾	2¾	3¼	3½	3½	3½	3½	4	5
Tapered Length	6'	9'	9'	9'8"	11'	13'9"	19'3"	24'9"	33'	38½'
Ball, in.	4	4	5	5	6	6	6	8	10	12
Pole Weight, lbs.	27	40	60	82	110	135	181	243	380	625
Shipping Weight, lbs.	45	60	95	135	185	230	280	375	525	800

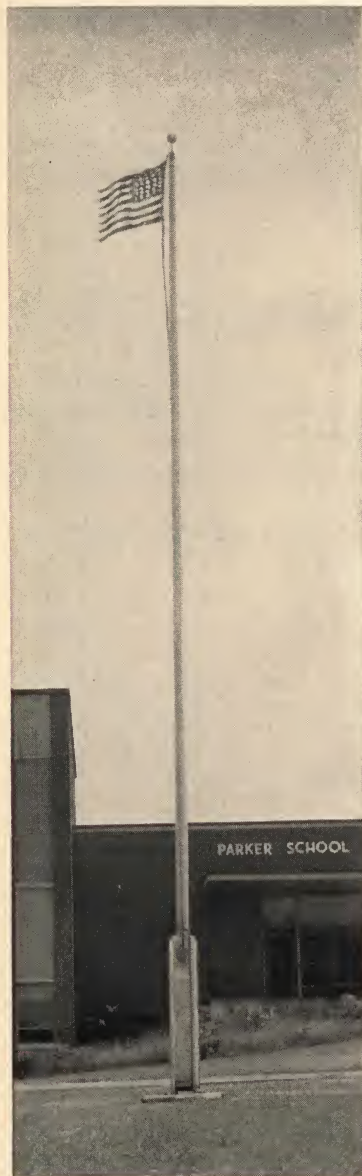
Depth of concrete base recommended is 10% of the pole length plus 1 ft. under normal soil conditions.  
Diameter at top of concrete base 5 times outside butt diameter, minimum diameter 30".

**● ornamental bases — aluminum and cast iron**



## aluminum flagpoles

### ● counter balanced-ground set

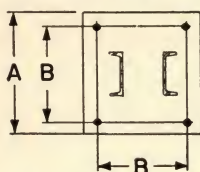
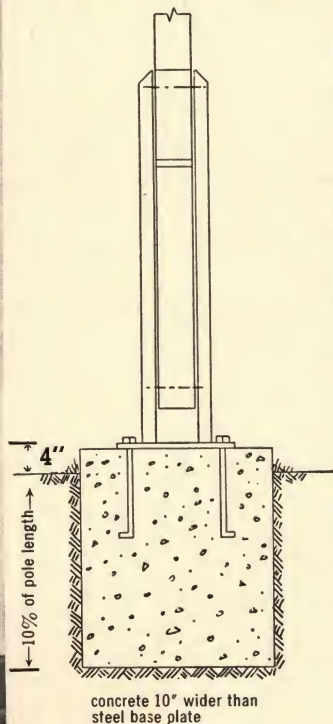


B-D aluminum cone tapered 40'-0" "easy access" counter-balanced flagpole.

Babcock-Davis have been building "Easy Access" Tilting flagpoles for more than 25 years and have built up a reputation of "They Know How" to produce quality flagpoles and other products.

By specifying this product, you are assured of the best.

It is not practical or economical to counterbalance heavy steel poles. Use geared type shown on page 7.



detail of base and location of bolts.

### advantages

light weight • easy to erect • easy to raise and lower • pole never needs painting

### specifications

Furnish and erect Babcock-Davis "Easy Access" counterbalanced aluminum flagpole as made by the Babcock-Davis Associates, Inc. of Boston 27, Massachusetts. Pole, cone tapered (tapered portion has straight taper) seamless, cold drawn 6063-T6 aluminum tubing with  $\frac{3}{16}$ " wall. No visible joints. Overall height.....feet; butt diameter, .....inches O.D.; top diameter,.....inches O.D.; with steel base, counter-weight, bottom plate and anchor bolts. State size from list below.

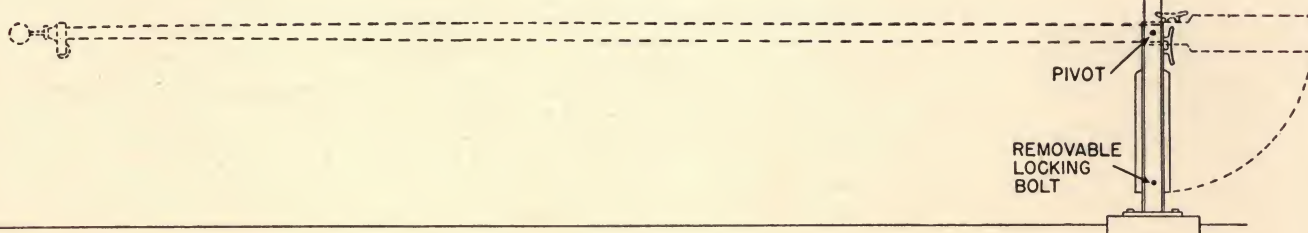
Equipped with:.....14 ga. aluminum ball satin-brush finished and waxed, or 23-karat gold-leafed copper ball; B-D ball bearing, aluminum, non-fouling revolving (single or double, cross out one) halyard top; continuous braided cord halyards with invisible connectors; aluminum swivel flag snaps and aluminum cleat.

If ground set, concrete foundation should be 4 inches above grade and 10 inches wider than steel base plate, and at least 10% of the length of the pole with a minimum of 4 feet below grade on firm ground to prevent frost heaving.

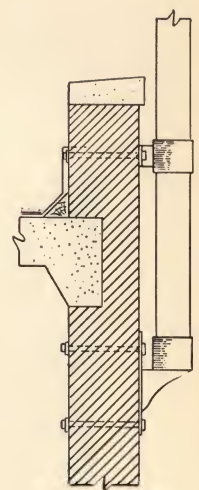
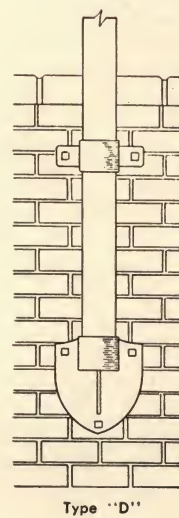
Aluminum pole to have satin-brush finish and waxed. Steel base painted shop coat of red lead primer and one shop coat of aluminum paint.

### dimensions (aluminum poles)

Total Height	25'	30'	35'	40'	45'	50'
Out. Diam. of Butt, in.	4 1/2	5	5 1/2	6	7	8
Out. Diam. of Top, in.	2 7/8	3 1/4	3 1/2	3 1/2	3 1/2	3 1/2
Tapered	9'	9'8"	11'	13'9"	19'3"	24'9"
Ball	6"	6"	6"	8"	8"	10"
Base Plate "A," inches	18x 1/2	18x 1/2	18x 1/2	20x 1/2	22x 1/2	24x 1/2
Holes "B" on centers	14"	14"	14"	16"	18"	20"
Anchor Bolts	3/4x16	3/4x16	3/4x16	3/4x16	7/8x18	7/8x18
Pole Weight, lbs.	60	82	110	135	181	305
Steel Base Weight, lbs.	441	569	715	881	1263	2145





**aluminum flagpoles**● **wall mounted****specifications**

Furnish and erect cone tapered (tapered portion has straight taper), vertical wall mounted flagpole of seamless cold drawn 6063-T6 aluminum tubing with  $\frac{3}{16}$ " wall. No visible joints. Poles to have satin brush finish and waxed. State size from list below.

Equipped with:.....14 ga. aluminum ball satin-brush finished and waxed, or 23-karat gold-leaved copper ball; B-D ball bearing aluminum,

non-fouling revolving (single or double, cross out one) halyard top; continuous braided cord halyards with invisible connectors; aluminum swivel flag snaps and aluminum cleats.

Specify galvanized or aluminum wall brackets Type "C," "D," "E," or "F," and anchor bolts.

All as made by Babcock-Davis Associates, Inc., Boston 27, Mass.

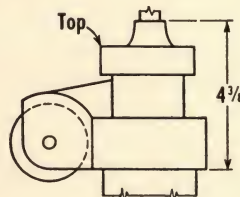
**dimensions (aluminum poles)**

Exposed Height, ft.	9	12	17	22	27	30	35	40
Total Length, ft.	12	15	20	25	30	33½	38½	44
Out. Diam. of Butt, in.	3½	4	4½	5	5½	6	7	8
Out. Diam. of Top, in.	2¾	2¾	2¾	3¼	3½	3½	3½	3½
Tapered Length	6'	9'	9'	9'8"	11'	13'9"	19'3"	24'9"
Ball, in.	4	4	5	5	6	6	6	8
Pole Weight, lbs.	27	40	60	82	110	135	181	243
Shipping Weight, lbs.	45	60	95	135	185	230	280	375

● **halyard top — non-fouling, revolving**

*galvanized aluminum, or bronze top as specified*

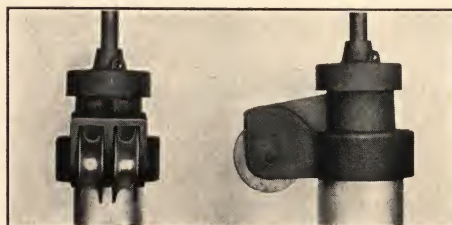
This Top does not cut or chafe the halyards. Allows flag or flags to fly without fouling. Double pulleys on one side only: thus double halyards pull together over pulleys, not across their edges. Ball-bearing construction responds to slightest shift in breeze. Invisible halyard connector eliminates free ends; takes strain off flag. Spire can take ball or special finial.



Pull of flag on center line of pole

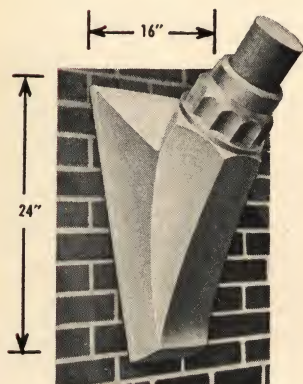
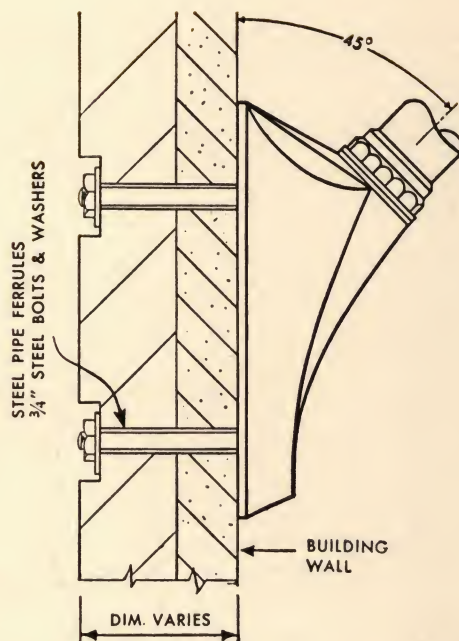
Note how halyard cuts on pulley and petticoat of ordinary type

Avoid this type of halyard with two loose ends. Flag takes entire weight and strain with the danger of losing the free ends of the halyard

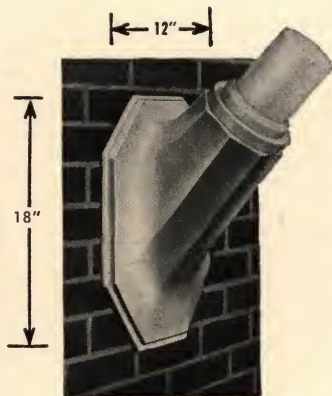




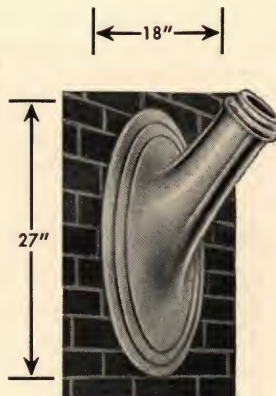
## ● outrigger bases — without braces



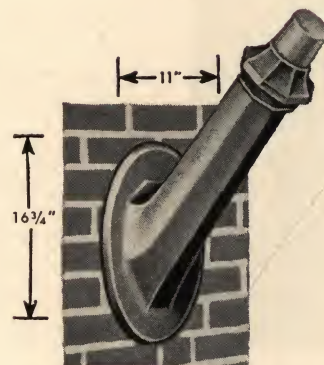
no. 5 base  
3½" to 5" O.D.



no. 6 base  
3½" to 4" O.D.



no. 7 base  
3½" to 4" O.D.



no. 3 base  
3½" to 4" O.D.

**bases:** Made in aluminum, bronze, stainless steel and cast iron.

**flagpoles:** Conical tapered seamless cold drawn aluminum tubing.

Pole supported at 45° angle with base bolted through the wall. For vertical mounted poles on the face of a building (see page 5).

### specifications

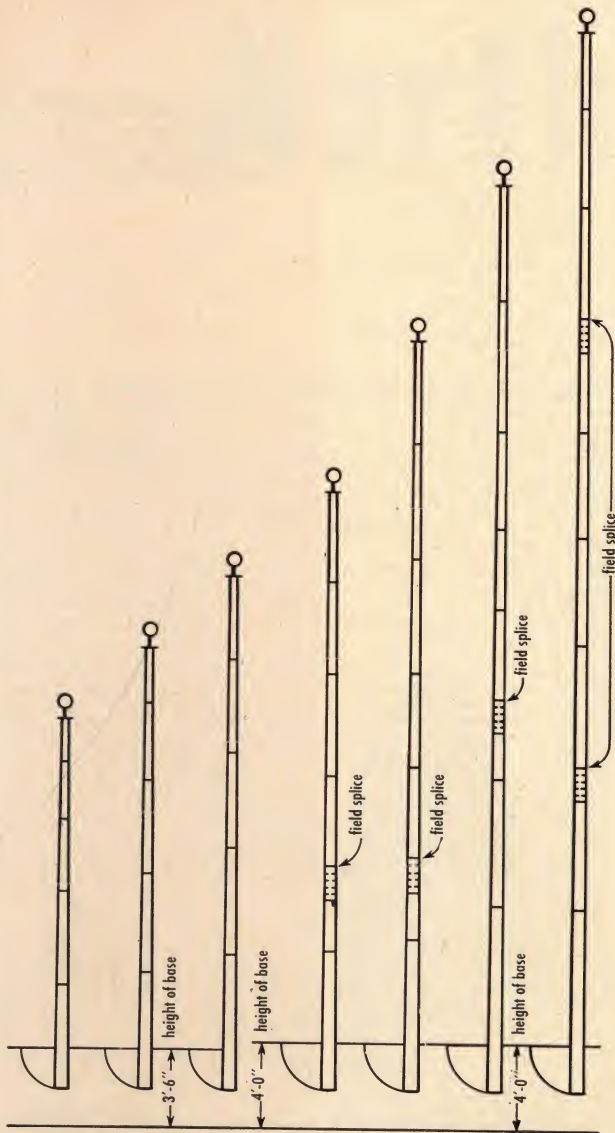
Furnish and erect Babcock-Davis Outrigger Conical Tapered 6063-T6 Aluminum Tubing, 3/16" Wall, Flagpole ..... ft. long, butt ..... inch O.D., top ..... inch O.D. with type ..... decorative base (state metal of base), for wall mounting. Pole fittings: acorn cap, swivel block, cleat, all of same metal as base. Halyards with invisible connectors, bronze swivel flag snaps, steel anchor bolts and nuts.

### dimensions (aluminum poles)

Total Length, ft.	12	15 <sup>■</sup>	20 <sup>■</sup>	25 <sup>■</sup>
Out. Diam. of Butt, in.	3½	4	4½	5
Out. Diam. of Top, in.	2¾	2¾	2¾	3¼
Tapered Length, ft.	6	9	9	9'8"
Ball, in.	4	4	5	5

■ For poles 20 feet and longer, bracing is recommended.





conical taper or sectional steel poles

## specifications

Furnish and erect Babcock-Davis "Easy Access" (Geared type, conical tapered, or sectional) Flagpole ..... ft. high; ..... in. at butt; ..... in. at top (if canted, specify degree of angle). To be equipped with operating wrench; ..... inch 23-karat gold leafed copper ball; ball bearing, non-fouling revolving (single or double; state which) halyard top; continuous braided cord halyards with invisible connector; bronze swivel flag snaps and cleat.

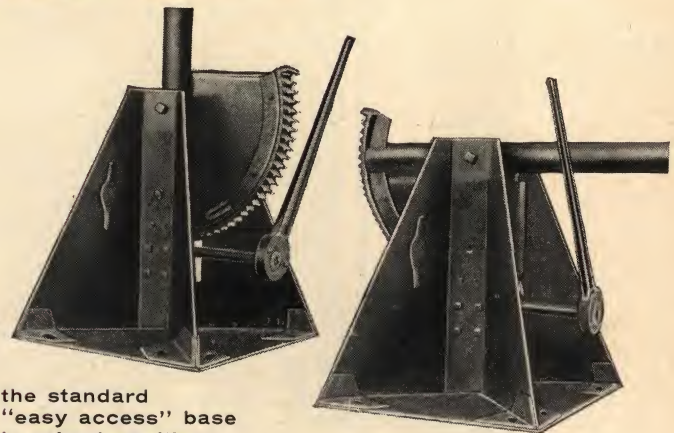
roof installations: Form island on roof and set anchor bolts (furnished by others) according to shop drawings furnished.

grade installations: Form island of concrete, 4'6" deep and set 8 anchor bolts, 1" diameter, 4' long (furnished by others)—same width of concrete and spacing of holes as shown for roof installation.

## dimensions & weights of sectional steel poles

size (& height) of base hgt. above roof grade, ft.	no. 2: 3½ ft.			no. 3: 4 ft.			no. 4: 4 ft.		
	25	30	35	40	50	60	70		
Out. diam. of top, in.	2¾	2¾	2¾	2¾	2¾	2¾	2¾		
Out. diam. of bottom, in.	4½	5	5	5½	6½	7½	8½		
Diam. of ball, in.	6	6	6	8	8	10	10		
Weight: pole, lb.	210	305	335	650	775	1225	1725		
base & quadrant, lb.	350	475	475	775	775	1250	1250		
total (shipping), lb.	560	780	810	1425	1550	2475	2975		
No. shipping sections	1	1	1	2	2	2	3		

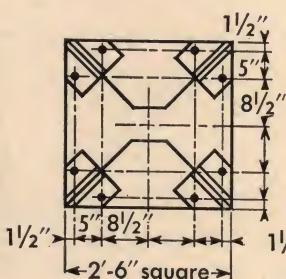
## base construction



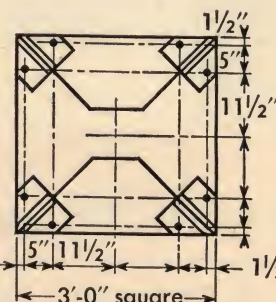
the standard  
"easy access" base  
in raised position

in lowered position

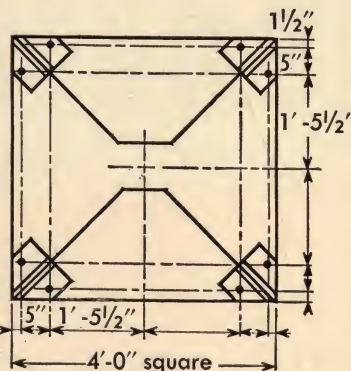
## ■ bases: no scale



no. 2 base  
for 25' to 35' poles  
foundation plate ¾" thick



no. 3 base  
for 40' to 50' poles  
foundation plate ½" thick



no. 4 base  
for 60' to 70' poles  
foundation plate ¾" thick

Poles can be made of cone tapered steel or aluminum.



# TYPICAL INSTALLATIONS OF *Babcock-Davis* "EASY ACCESS" FLAG POLES

White House Executive Mansion  
U. S. Capitol, Senate Roof  
U. S. Capitol, House Chamber Roof  
U. S. Air Force, Langley Field, Va.  
Sharpe General Depot, Lathrop, Cal.  
Marine Corps Depot, Oceanside, Cal.  
Tolen High School, Mobile, Ala.  
St. Mary's Church, Mobile, Ala.  
Southern Bell Telephone, Decatur, Ala.  
City Hall, Andalusia, Ala.  
S. H. Kress Co., Montgomery, Ala.  
Woolworth Bldg., Little Rock, Ark.  
Southwestern Irrigation, Brawley, Cal.  
Loose Wiles Biscuit Co., Oakland, Cal.  
Laguna Telephone Bldg., Laguna, Cal.  
Los Angeles Examiner Bldg., Los Angeles  
General Petroleum Bldg. (2), Los Angeles  
Appraisers Bldg. (2), San Francisco, Cal.  
F. Kern & Sons, San Francisco, Cal.  
S. H. Kress Co., Colorado Springs, Colo.  
High Standard Mfg. Co., New Haven  
State Trade School, Hartford, Conn.  
Fire Stations 5 & 6 (2), Milford, Conn.  
First National Stores, Hartford, Conn.  
Masonic Home, Wallingford, Conn.  
Borch & Stevens Bakery, Bridgeport, Conn.  
Hartford Machine Screw Co., Windsor  
Southern Bell Tel. Co., Miami, Fla.  
Register & Tribune Bldg., Des Moines  
Liberty Bldg., Des Moines, Iowa  
John Deere School, East Moline, Ill.  
Illinois Bell Telephone Bldg. (7), Ill.  
Central National Bank of Chicago  
Kankakee Dial Office Bldg. (2)  
Central Police and Court Bldg., Chicago  
R. R. Donnelley & Sons Co., Chicago, Ill.  
Commonwealth Edison Co., Stickney, Ill.  
Standard Data Service, Evansville, Ind.  
Department Store Bldg., Indianapolis  
Times Publishing Bldg., Indianapolis, Ind.  
Indiana Bell Telephone, South Bend, Ind.  
Murphy Stores, Fort Wayne, Ind.  
Iowa Methodist Hospital, Des Moines  
S. H. Kress Co., Wichita, Kan.  
Swift & Co., Kansas City, Kan.  
Louisville Baseball Grounds, Louisville  
Western Electric, New Orleans, La.  
Gus Mayer Store Bldg., New Orleans, La.  
American Bank Bldg., New Orleans, La.  
Old Post Office, Portland, Me.  
Press Herald Bldg., Portland, Me.  
W. T. Grant Co., Bangor, Me.

N. E. Tel. & Tel., Biddeford, Me.  
Hecht Co., Dept. Store, Silver Spring  
Bethlehem Steel Co., Sparrows Point, Md.  
C. & P. Telephone Bldg., Silver Spring, Md.  
U. S. Horticultural Station, Beltsville, Md.  
Boston Edison Co. (3), Boston, Mass.  
Cadillac Building, Boston, Mass.  
South Boston Housing Project, Boston, Mass.  
New England Tel. & Tel. (4), Mass.  
John Hancock Life Ins. Bldg., Boston, Mass.  
Brookline Savings Bank, Brookline, Mass.  
Woolworth Store, Cambridge, Mass.  
A. G. Spalding & Bros., Chicopee, Mass.  
Greenfield Tap & Die Corp., Greenfield, Mass.  
General Electric, Lynn, Mass.  
Boy State Merchants Nat'l Bank, Lawrence  
Grade School, Norton, Mass.  
Gun Directors Building, G. E., Pittsfield  
General Electric Co., Pittsfield, Mass.  
St. John Evangelist Church (2) Winthrop  
General Motors, Detroit, Mich.  
Mumford High School, Detroit, Mich.  
C. F. Haglin & Sons, Minneapolis, Minn.  
Famous Bars Co. Store (2), Clayton, Mo.  
K.F.E.Q. Bldg., St. Joseph, Mo.  
Brotherhood Building, Kansas City, Mo.  
Seacoast Realty, Wilmington, N. C.  
Christian Science Home, Concord, N. H.  
Town of Jaffrey, N. H.  
James Webb Store, Grand Island, Neb.  
Asbury Park Theatre, Asbury Park, N. J.  
First National Bank, Plainfield, N. J.  
Union Freight Terminal No. 3 (4), Newark  
Fourth Federal Savings Bank, New York, N. Y.  
South Brooklyn Savings Bank, Brooklyn, N. Y.  
University of Buffalo Law School, Buffalo  
New York Public Library (3 branches)  
Irving Trust Bldg., New York, N. Y.  
Brooklyn Savings Bank, Buffalo, N. Y.  
Fairchild Press, New York City  
G. E. Research Laboratory, Schenectady  
General Electric Co., Schenectady, N. Y.  
W. T. Grant, Syracuse, N. Y.  
Electronics Park (2), Syracuse, N. Y.  
Women's Relief Corps Home, Oxford, N. Y.  
Charles Schad Inc., Brooklyn, N. Y.  
Ohio Bell Tel. Co. (2), Ohio  
Thompson Aircraft Products Co., Cleveland  
Mt. Carmel Hospital, Columbus, Ohio  
Ohio State Journal, Columbus, Ohio  
Akron Baptist Temple (2), Akron, Ohio  
East Ohio Gas Co., Cleveland, Ohio

H. & S. Pogue Service Building, Cincinnati, Ohio  
Mercy Hospital, Hamilton, Ohio  
Fred Jones Motor Co., Tulsa, Okla.  
South Side Jr. High, Allentown, Pa.  
Municipal Building, Coraopolis, Pa.  
State College (V.F.W.), State College, Pa.  
Rusks Fifth Avenue, Inc., Philadelphia, Pa.  
Penn Threshermen Office Building, Harrisburg, Pa.  
Atlantic Refining Co., Philadelphia, Pa.  
General Motors Corp., Pittsburgh, Pa.  
United Motors Warehouse, Pittsburgh, Pa.  
Williamsport Municipal Airport, Williamsport, Pa.  
C. H. Masland & Sons, Carlisle, Pa.  
R. I. Hospital Trust Co., Woonsocket, R. I.  
Savings Bank of Newport, Newport, R. I.  
S. H. Kress Co., Spartanburg, S. C.  
Elementary School, Charleston, S. C.  
Tennessee Copper Co. Building, Copperhill, Tenn.  
Kimberly-Clark Corp., Memphis, Tenn.  
Employers Casualty Co., Dallas, Tex.  
Lichtenstein Store, Corpus Christi, Tex.  
Beaumont Telephone Building, Beaumont, Tex.  
Montgomery Ward Co., Fort Worth, Tex.  
Sweeney Ind. School, Sweeney, Tex.  
San Angelo College, San Angelo, Tex.  
J. W. Bateson, Midland, Tex.  
Niesner Store, San Antonio, Tex.  
Brooks Transfer Co., Richmond, Va.  
Elementary School, Norfolk, Va.  
Appalachian Electric Power Co., Roanoke, Va.  
Doyle & Russell (5), Hallwood, Va.  
New N. & W. Office Building, Bluefield, W. Va.  
C. & P. Telephone Co. (2), W. Va.  
Carbide & Carbon Chemical Co., So. Charleston  
Engineering Bldg. (2), Madison, Wis.  
Schlitz Brewery, Milwaukee, Wis.  
Skabis Co. (2), Milwaukee, Wis.  
Plankinton Packing Co., Milwaukee, Wis.  
County Hospital, Winnebago, Wis.  
Whatcom County Courthouse, Billingham, Wash.  
Federal Reserve Bank, Seattle, Wash.  
Selah Hospital, Selah, Wash.  
Bunker Hill High School, Washington, D. C.  
Calvin Coolidge High School, Washington, D. C.  
Central Public Library, Washington, D. C.  
National Guard Armory, Washington, D. C.  
U. S. Naval Air Station, Anacostia, D. C.  
Telephone Buildings (5), Washington, D. C.  
Post Intelligence Building, Washington, D. C.  
U. S. Air Station, San Juan, Puerto Rico  
American Embassy, Quito, Ecuador  
Caracas Stadium, Venezuela

**65-foot cone tapered  
flagpole  
Harvard University**



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